| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|------------|------|--|---|---------------------|---------|------------------|
| L1 | 4 | (coherent adj optical adj detection). ti. | US-PGPUB; USPAT; USOOR | OR | OFF | 2006/11/07 10:48 |
| L2 | 4 | (coherent adj optical adj detection). ab. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 10:49 |
| S1 | 1134 | coherent with detection with optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/13 13:13 |
| S2 | 2939 | coherent same detection same optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/13 13:14 |
| S4 | 78 | coherent adj detection adj optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/13 14:15 |
| S 5 | 2 | "5323258".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/25 11:30 |
| S6 | 4 | ("4718120" "5007106" "500 8958" "5060312").P N | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/13 14:17 |
| S7 | 10 | ("5323258").URPN. | USPAT | OR | OFF | 2006/11/03 15:12 |
| S8 | 62 | laser adj1 power adj1 controller and feedback | US-PGPUB; USPAT; USOCR | OR . | ON | 2006/10/17 15:01 |
| S9 | 1 | "20030219050" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/16 10:09 |
| S10 | 1 | ("2003/0219050").URPN. | USPAT | OR | OFF | 2006/10/16 15:12 |
| S11 | 1 | "5850409".pn. | USPAT | OR | OFF | 2006/10/16 15:12 |

| | | | - | | | |
|-----|-------|---|------------------------------|----|-----|------------------|
| S12 | 10 | ("4359773" "4385387" "4924470" "4995045" "5187713" "5394416" "5402433" "5526164" "5557445" "5732096").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 16:01 |
| S17 | 4 | diode same (bandwidth near overlap) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 16:07 |
| S18 | 104 | diode same bandwidth same overlap | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 16:08 |
| S19 | 64 | S18 and optical | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:15 |
| S20 | 47628 | filter.ti. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:17 |
| S21 | 5727 | S20 and optical | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:16 |
| S22 | 7106 | ((frequency adj range)or bandwidth) with (data near rate) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:19 |
| S23 | 2162 | S22 and ((monitor adj diode) or detector) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:21 |
| S24 | 1618 | S23 and filter | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:21 |
| S25 | 322 | S24 and laser | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/16 17:22 |
| S26 | 188 | S25 and @py<= "2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 08:31 |
| S27 | 19585 | "26" and one-tenth | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 08:32 |
| S28 | 1306 | "26" and onetenth | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 08:32 |
| S29 | 1306 | S28 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 08:33 |
| S30 | 3 | \$29 and peak-to-peak | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 08:34 |

| S40 | 38 | (bandwidth with tenth with rate) | US-PGPUB; -USPAT; USOCR | OR | ON | 2006/10/17 09:04 |
|-----|--------|---|-------------------------------|----|-----|------------------|
| S41 | 13 | S40 and laser | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 09:04 |
| S42 | 9 | ("20030175034" "6081355" "6104515" "6137925" "6396575" "6483620" "6607313" "6646774" "6778782").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 12:29 |
| S43 | 369016 | (low pass filter).ab. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 12:31 |
| S44 | 1 | "5850409".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 12:31 |
| S45 | 10 | ("4359773" "4385387" "4924470" "4995045" "5187713" "5394416" "5402433" "5526164" "5557445" "5732096").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/17 12:31 |
| S46 | 189 | low adj frequency adj detector | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 13:26 |
| S48 | 16 | (low adj bandwidth) same diode same modulation | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 13:28 |
| S49 | . 1 | "6064238".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 15:05 |
| S50 | 1 | "5696859".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 15:07 |
| S51 | 1019 | laser adj power adj control | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 15:08 |
| S52 | 632 | S51 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 15:09 |
| S53 | 375 | S52 and detector | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/17 15:09 |
| S54 | 24 | ("5696859").URPN. | USPAT | OR | OFF | 2006/10/17 15:20 |
| | | | | | | |

| | EAST Search history | | | | | |
|-----|---------------------|--------------------------------------|---|------|-----|------------------|
| S55 | 101 | coherent near detection near optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/17 17:25 |
| S56 | 2 | S55 and DSP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR. | OFF | 2006/10/17 17:26 |
| S57 | 51 | S55 and WDM | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/17 17:39 |
| S58 | 196 | 398/204.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 11:22 |
| S59 | 116 | 398/205.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 11:23 |
| S60 | 99 | S59 and @py<="2003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 13:38 |
| S61 | 161105 | mach zehnder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/10/19 07:39 |
| S62 | 9054 | mach adj zehnder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 13:51 |

| S63 | 2695 | (mach adj zehnder).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 13:52 |
|-----|------|------------------------|---|----|-----|------------------|
| S64 | 1873 | S63 and @py<="2003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 13:53 |
| S65 | 168 | S64 and receiver | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 14:36 |
| S66 | 24 | S65 and oscillator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 14:42 |
| S67 | 68 | 359/300.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 14:57 |
| S68 | 1263 | 359/326.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 14:57 |
| S69 | 1062 | S68 and @py<="2003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 14:59 |
| S70 | 74 | S69 and receiver | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 17:55 |

| S91 | 9985 | (PIN adj diode)with (low adj frequency) or (low adj bandwidth) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 18:19 |
|----------|------|---|---|------|-----|------------------|
| S94 | 8980 | S91 and data | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 18:20 |
| S95 | 3911 | S91 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 18:21 |
| S96 | 1581 | S95 and filter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/18 18:21 |
| S97 | 474 | S95 and (low adj pass adj filter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/10/18 18:22 |
| S98 | 240 | S97 and @py<= "2003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/10/18 18:23 |
| S10 3 | 835 | (mach adj zehnder).ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 07:42 |
| S10 5 | 77 | S103 and detector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 08:01 |
| S10 6 | 5 | (("5307197") or ("5253097") or ("5146359") or ("4718121") or ("4965858")).PN. | USPAT; USOCR | OR | OFF | 2006/10/19 10:34 |

EAST Search History S10 271 quadrature adj sampling **US-PGPUB**; OR **OFF** 2006/10/19 10:49 8 USPAT; USOCR: JPO; DERWENT; IBM_TDB OFF 2006/10/19 10:37 **S10** .1 (quadrature adj sampling) with **WS-PGPUB**; OR (coherent near detection) 9 USPAT: ÚSOCR; JPO; DERWENT; IBM_TDB OFF **US-PGPUB**; 2006/10/19 10:37 S11 1 (quadrature adj sampling) with OR (coherent same detection) USPAT; 0 USOCR; JPO; DERWENT; IBM_TDB LIS-PGPUB; OR **OFF** 2006/10/19 10:38 (quadrature adj sampling) same S11 (coherent with detection) 1 J_{i} DŁ ווו בויי. ב IBN **OFF** 48 S108 and optical **US-PGPUB**; OR 2006/10/19 10:56 **S11** 2 USPAT; USOCR; JPO; **DERWENT**; IBM_TDB US-PGPUB; OR OFF 2006/10/19 10:57 **S11** 2 phase adj diverse adj hybrid 3 USPAT; USOCR; JPO; DERWENT; IBM_TDB OFF 526 US-PGPUB; OR 2006/10/19 10:57 **S11** phase adj hybrid USPAT; 4 USOCR; JPO; DERWENT; IBM_TDB 97 US-PGPUB; OR **OFF** 2006/10/19 10:59 S114 and detector **S11** USPAT; USOCR; JPO; DERWENT; IBM_TDB

| S11 6 | 29 | S115 and optical | ÚS-PGPUB; USPAT; USOCR; | OR | OFF | 2006/10/19 11:01 |
|----------|------|--|--|------|------|------------------|
| | | | JPO; DERWENT; IBM_TDB | | | |
| S11 7 | 3 | coherent adj detector near sampling | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 11:02 |
| S11 8 | 2 | coherent adj detector adj sampling | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 11:04 |
| S11 9 | 2 | "4965858".pn. | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF. | 2006/10/19 14:52 |
| S12 0 | 2 | "7019883".pn. | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:14 |
| S12 1 | 1147 | DSP.ti. | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:15 |
| S12 2 | 85 | S121 and detector | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:18 |
| S12 3 | 1687 | detector adj processor | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/10/19 16:18 |

| S12 4 | 58766 | detector same processor | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:18 |
|----------|--------|--|--|------|-----|------------------|
| S12 5 | 36562 | detector with processor | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR . | OFF | 2006/10/19 16:19 |
| S12 6 | 644 | S123 and laser | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:19 |
| S12 7 | 64 | S126 and oscillator | US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/19 16:20 |
| S12 8 | 213 | coherent with detect\$4 with processor | USPAT | OR | OFF | 2006/10/19 16:42 |
| S12 9 | 91 | S128 and optical | USPAT | OR | OFF | 2006/10/19 17:04 |
| S13 0 | 1 | "6469779".pn. | USPAT | OR | OFF | 2006/10/19 17:04 |
| S13 1 | i | "6469779".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/19 17:04 |
| S13 2 | 9015 | processor adj controller | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 10:33 |
| S13 3 | 107413 | processor with controller | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 10:33 |
| S13 4 | 135777 | processor same controller | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 10:33 |
| S13 5 | 15115 | processor near controller | US-PGPUB; USPAT; USOCR | OR · | OFF | 2006/10/23 10:33 |
| S13 8 | 36 | (processor adj controller) same (laser same detector) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 13:34 |

| S13 | 384 | 398/83.ccls. | US-PGPUB; | OR | OFF | 2006/10/23 13:34 |
|----------|---------|---|------------------------------|----|-----|------------------|
| 9 | | | USPAT; USOCR | ; | | , = 3, = 2 |
| S14 0 | 67 | S139 and processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 13:35 |
| S14 1 | 1746558 | 9a nd controller | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 13:36 |
| S14 2 | 33 | S140 and controller | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 13:36 |
| S14 3 | 1 | "20030219050" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:05 |
| S14 4 | 1 | "6822987".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:05 |
| S14 5 | 10 | ("20020018419" "5073730" "5309269" "5317443" "5373387" "5521527" "5526164" "5802089" "6016326" "6647040").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/23 17:05 |
| S14 6 | 2 | ("6822987").URPN. | USPAT | OR | OFF | 2006/10/24 13:01 |
| S14 7 | 161 | 359/251.ccls. | USPAT | OR | OFF | 2006/10/24 13:09 |
| S14 8 | 6 | S147 and processor | USPAT | OR | OFF | 2006/10/24 13:05 |
| S14 9 | 1 | S147 and DSP | USPAT | OR | OFF | 2006/10/24 13:10 |
| S15 0 | 20 | quadrature with sampling with DSP | USPAT | OR | OFF | 2006/10/24 13:50 |
| S15 1 | 717 | ((photo adj diode) same ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:04 |
| S15 2 | 610 | S151 and optical | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 13:54 |
| S15 3 | 160 | S152 and receiver | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 13:55 |
| S15 5 | 258 | ((photo adj diode) with ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 15:07 |

| S15 6 | 220 | S155 and optical | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:05 |
|----------|-------|--|------------------------------|----|-----|------------------|
| S15 7 | 67 | S155 and receiver | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:42 |
| S16 0 | 36 | 398/207.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:42 |
| S16 1 | 19617 | ((detector) with ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:55 |
| S16 2 | 50313 | ((detect\$4) with ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:55 |
| S16 3 | 88702 | ((detect\$4) same ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:56 |
| S16 4 | 3972 | ((detect\$4) near ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:56 |
| S16 5 | 1960 | S164 and optical\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:57 |
| S16 6 | 130 | S165 and hybrid | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 14:57 |
| S16 7 | 54 | ((o/e) with ((analog adj2 digital) or ("A/D") or digitiz\$4)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 15:37 |
| S16 8 | 449 | 398/183.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 15:37 |
| S16 9 | 297 | S168 and receiver | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 15:39 |
| S17 0 | 173 | S168 and @py<="2002" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 15:40 |
| S17 | 119 | S170 and receiver | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 16:20 |
| S17 2 | 4 | S170 and DSP | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 16:22 |

| S17 3 | 165 | 398/189.ccls. | US-PGPUB; USPAT; | OR | OFF | 2006/10/24 16:22 |
|----------|--------|---|------------------------------|----|-----|------------------|
| S17 4 | 100 | S173 and @py<="2002" | USOCR US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 16:36 |
| S17 5 | 228 | 398/188.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 16:37 |
| S17 6 | 118 | S175 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:23 |
| S17 7 | 549817 | processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:23 |
| S17 8 | 26093 | detector with processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:24 |
| S17 9 | 42787 | detector same processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:24 |
| S18 0 | 1380 | detector adj processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:24 |
| S18 1 | 821 | S180 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:45 |
| S18 2 | | "20020171900" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/24 17:46 |
| S18 5 | 3816 | detector same (analog adj2 digital same processor) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:33 |
| S18 6 | 313 | S185 and dispersion | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:34 |
| S18 7 | 96 | S186 and propagation | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:38 |
| S18 8 | 753 | (chromatic adj dispersion).ab. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:39 |
| S18 9 | 420 | S188 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:39 |

| EAST | Search | History |
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| | | LAST SearC | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - | | |
|----------|-----|---|---|----|-------|------------------|
| S19 0 | 16 | S189 and processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 11:40 |
| S19 1 | 8 | "4965858" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:01 |
| S19 2 | 1 | "4965858".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:45 |
| S19 3 | 7 | electrical with (detector adj2 A/D adj converter) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:48 |
| S19 4 | 23 | electrical same (detector adj2 A/D adj converter) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:53 |
| S19 5 | 509 | 359/237.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:54 |
| S19 6 | 135 | S195 and detector | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:54 |
| S19 7 | 8 | S196 and A/D | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 16:56 |
| S19 8 | 60 | S196 and digital | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:04 |
| S19 9 | 299 | 356/451.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:04 |
| S20 0 | 228 | S199 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:30 |
| S20 1 | 12 | WDM with DSP | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:36 |
| S20 2 | 149 | 359/239.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:37 |
| S20 3 | 85 | S202 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF . | 2006/10/25 17:55 |
| S20 4 | 1 | "6822987".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/25 17:56 |
| S20 5 | 2 | ("6822987").URPN. | USPAT | OR | OFF | 2006/10/25 17:56 |

| S20 6 | 11 | ("20020018419" "5073730" "5309269" "5317443" "5373387" "5521527" "5526164" "5802089" "6016326" "6647040" "6822987").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 14:06 |
|----------|-----|---|------------------------------|----|-----|------------------|
| S20 7 | 449 | 398/183.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 14:07 |
| S20 8 | 133 | S207 and WDM | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 15:17 |
| S20 9 | 318 | WDM with (cross adj talk) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 15:43 |
| S21 2 | 190 | S209 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 07:37 |
| S21 3 | 546 | WDM same (cross adj talk) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 15:43 |
| S21 4 | 32 | WDM near (cross adj talk) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/26 15:44 |
| S21 5 | 123 | 375/325.ccls. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 07:37 |
| S21 6 | 101 | S215 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 07:39 |
| S21 9 | 21 | S216 and multiplex\$2 | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 08:08 |
| S22 0 | 1 | "7123788".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 08:09 |
| S22 2 | 15 | ("20010037068" "20020123851" "20020126958" "20020141693" "20020154372" "20030152140" "20030152393" "4523291" "5010346" "5034911" "5450223" "5646623" "5995258" "6100831" "6546099").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 11:16 |
| S22 3 | 208 | jones adj vector | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 11:16 |
| S22 4 | 110 | S223 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 11:53 |

| S22 5 | 309 | optical adj hybrid | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 11:54 |
|----------|--------|---|---|----|-----|------------------|
| S22 6 | 202 | S225 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 12:27 |
| S22 7 | 54 | S226 and processor | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 14:51 |
| S22 8 | . 1 | "20030219050" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 14:51 |
| S22 9 | 1 | S228 and current | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/27 14:52 |
| S23 0 | 9 | homodyne with polarization with diversity | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/30 18:15 |
| S23 | 4 | ("5299047").URPN. | USPAT | OR | OFF | 2006/10/30 18:14 |
| S23 2 | 2 | ("5023950" "5184243").PN, | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/10/30 18:15 |
| S23 4 | 23 | homodyne same polarization same diversity | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/31 08:30 |
| S23 5 | 162293 | homodyne same polarization multiplexer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/31 08:30 |
| S23 6 | 5 | homodyne same polarization same multiplexer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/31 08:38 |

| S24 0 | 13 | heterodyne same polarization same multiplexer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/31 08:40 |
|----------|------|--|---|----|-----|------------------|
| S24 1 | 2 | "20040114939" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:57 |
| S24 2 | 1 | S241 and reversing | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 10:57 |
| S24 3 | 2 | "20030063285" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:52 |
| S24 6 | 2 | S243 and spectrum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:02 |
| S24 7 | 1 | S243 and delay | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:15 |
| S24 8 | 7693 | DSP and propagation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:15 |
| S25 0 | 126 | DSP with propagation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:16 |

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| S25 6 | | propagation same processor same interference | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:18 |
| S25 8 | 62 | S256 and optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:19 |
| S25 9 | 25 | S258 and heterodyne | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:23 |
| S26 1 | 45 | propagation adj processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:24 |
| S26 3 | 6 | propagation adj processor and interference | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:25 |
| S26 5 | 13 | propagation adj processor and revers\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:30 |
| S26 6 | 3 | partially near2 effect near2 propagation and signal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:32 |
| S26 7 | 1 | partially adj effect adj propagation adj signal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:33 |

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| S26 8 | 7 | partially with effect with propagation with signal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:37 |
| S26 9 | 290 | 398/81.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:37 |
| S27 0 | 29 | S269 and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 11:37 |
| S27 4 | 1629 | processor same multipath | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 12:07 |
| S27 5 | 804 | processor with multipath | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 12:09 |
| \$27 6 | 3 | S275 and "398"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 12:08 |
| S27 7 | 2557 | (dsp processor compensat\$8) with multi\$path | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 12:10 |
| S27 8 | 17 | S277 and "398"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF · | 2006/11/03 12:10 |

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| S27 9 | 14 | S278 not S276 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/03 12:10 |
| S28 0 | 6 | ("2002/0012152").URPN. | USPAT | OR | OFF | 2006/11/03 12:16 |
| S28 1 | 1 | "5757531".pn. | USPAT | OR | OFF | 2006/11/03 15:12 |
| 528 3 | 1 | S281 and compensation | USPAT | OR | OFF | 2006/11/03 16:25 |
| S28 4 | 1 | S281 and filter | USPAT | OR | OFF | 2006/11/03 16:20 |
| S28 9 | 173655 | modulation | USPAT | OR | OFF | 2006/11/03 16:25 |
| S29 0 | 1 | S281 and modulation | USPAT | OR . | OFF | 2006/11/03 16:25 |
| S29 1 | | "20020012152" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 11:39 |
| S29 6 | 1 | S294 and filtering | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 11:27 |
| S29 7 | 1 | S291 and dispersion | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 11:59 |
| S29 9 | 1 | S291 and phase | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 12:01 |
| S30 0 | 1 | S291 and modulation | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 12:22 |
| S30 1 | 1 | S291 and equalizer | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 13:34 |
| S30 2 | 1 | "20020012152" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 13:34 |
| S30 4 | 918534 | "8" and complex | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 13:35 |
| S30 5 | 1 | "20020012152" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 15:43 |

| S31 1 | 1911 | (peak or envelop\$3) near4 (electric adj field) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 14:16 |
|----------|------|---|---|----|-----|------------------|
| S31 2 | 20 | S311 and DSP | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 14:21 |
| S31 3 | 13 | S312 and @py<="2003" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 14:22 |
| S31 4 | 1911 | (peak or envelop\$3) near4 (electric adj field) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 14:24 |
| S31 5 | 2159 | (peak or envelop\$3) near4 (electric adj field) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:40 |
| S31 6 | 20 | S315 and DSP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:31 |
| S31 7 | 141 | S315 and processor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:31 |
| S31 8 | 73 | S317 and @py<="2003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:31 |
| S31 9 | 23 | S315 and "398"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:38 |
| S32 0 | 2 | S319 and DSP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:38 |

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| S32 1 | 4141 | (peak or envelop\$3) with (electric adj field) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:40 |
| S32 2 | 38 | S321 and "398"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:44 |
| S32 3 | 2 | S322 and DSP | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/11/06 14:44 |
| S32 4 | 1 | "20020012152" | US-PGPUB; USPAT; USOCR | OR . | OFF | 2006/11/07 08:28 |
| S32 5 | 1 | S324 and dispersion | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 15:44 |
| 532 6 | 1 | S324 and compensate | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 15:46 |
| S32 8 | 1 | "4965858".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 16:52 |
| S33 0 | 1 | S328 and polarization | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/06 18:24 |
| S33 7 | 1 | S334 and cross | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 08:29 |
| S34 1 | 1 | S334 and adjacent | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 08:35 |
| S34 2 | 1 | S334 and interference | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 09:07 |
| S34 5 | 1 | S334 and polarization | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 10:47 |